Serial No.: 10/771,041 - 3 - Art Unit: 2859

Conf. No.: 1542

## **Abstract**

A magnetic resonance image may be formed by generating a set of encoding functions representative a spatial distribution of receiver coil sensitivities and spatial modulations corresponding to the gradient encoding steps, transforming the set of encoding functions to generate a new set of functions and applying the new set of functions to the acquired data.